

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
9 October 2003 (09.10.2003)

PCT

(10) International Publication Number
WO 03/083406 A1

(51) International Patent Classification?: F42D 1/055

(81) Designated States (national): AE, AG, AL, AM, AT, AU,

(21) International Application Number: PCT/ZA03/00041

AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 26 March 2003 (26.03.2003)

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, LU, MC, NL, PL, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CE, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language: English

Published:

(26) Publication Language: English

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(30) Priority Data:

02/2513 28 March 2002 (28.03.2002) ZA

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette

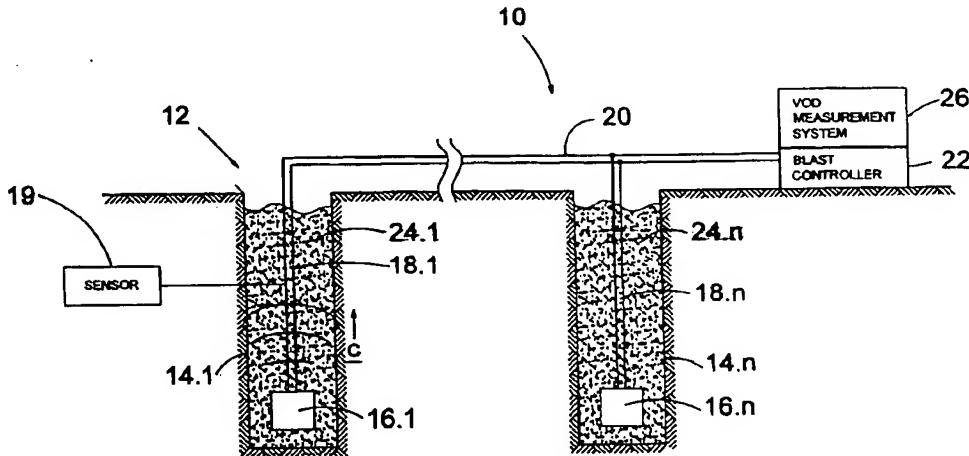
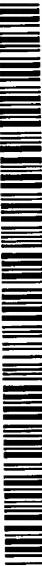
(71) Applicant (for all designated States except US): SMI TECHNOLOGY (PTY) LIMITED [ZA/ZA]; 156 Hendrik Verwoerd Drive, 2194 Randburg (ZA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MEYER, Eric, Nichol [ZA/ZA]; 43 Karel Street, Schoemansville, North West province, 0216 (ZA). LOWINDS, Charles, Michael [US/US]; 12955 Courthouse Blvd, Rosemount, MN 55068 (US).

(74) Agent: TRUTER, Jacobus, Tridoux; D M Kisch INC, P.O. Box 781218, 2146 Sandton (ZA).

(54) Title: SYSTEM AND METHOD FOR MONITORING FEATURES OF A BLAST



WO 03/083406 A1

(57) Abstract: A method of monitoring a feature of a blast such as velocity of detonation (VOD) comprises the steps of providing a detonator 16.1 at a blast site 12. Prior to the blast, a blast control signal path 20, 18.1 is utilized to communicate blast control signals to the detonator. During a period following start of the blast, a blast feature signal communication path 18.1, 20 comprising at least part of the blast control signal path is utilized to communicate a blast feature signal relating to the feature to a remote blast feature monitoring station 26. The blast feature signal is generated by generating a monitoring signal in a conductor arrangement 18.1 connected to the detonator, utilizing a sensor outside of the housing of the detonator to sense changes in a blast feature monitoring parameter of the monitoring signal, and transmitting data relating to the changes to the station 26.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/ZA 03/00041A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F42D1/055

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F42D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 976 199 A (MORAITIS THRASYVOULAS ET AL) 11 December 1990 (1990-12-11) the whole document	1-37
Y	EP 0 897 098 A (SMI TECHNOLOGY PTY LIMITED) 17 February 1999 (1999-02-17) paragraph '0011! - paragraph '0015!	10, 14, 15, 19, 24, 25, 35, 37
A	WO 00 04337 A (HATOREX AG ;SHANN PETER (GB)) 27 January 2000 (2000-01-27) page 5, paragraph 2 -page 7, paragraph 1; figures	1, 16, 26, 30
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Date of the actual completion of the International search

Date of mailing of the International search report

5 August 2003

18/08/2003

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl
Fax: (+31-70) 340-3016

Authorized officer

Herrera, M

INTERNATIONAL SEARCH REPORT

International Application No
PCT/ZA 03/00041

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 295 438 A (HILL TREVOR R ET AL) 22 March 1994 (1994-03-22) the whole document -----	1, 16, 26, 30

INTERNATIONAL SEARCH REPORT

Information on patent family members

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PCT/ZA 03/00041

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